

SEQUENCE LISTING

<110> Wang, Hwa-Chain R.

<120> ANTIBODY COMPOSITIONS SPECIFIC FOR p33QIK AND p63KRS1
POLYPEPTIDES AND USES THEREOF

<130> 4350.000800

<140> Unknown

<141> 2001-03-30

<150> 60/193,550

<151> 2000-03-31

<160> 76

<170> PatentIn Ver. 2.1

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<213> Homo sapiens

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<210> 2

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<213> Homo sapiens

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Asp Ser Leu Thr Lys Gln Pro Glu Glu Val Phe Asp Val Leu Glu Lys
20 25 30

Leu Gly Glu Gly Ser Tyr Gly Ser Val Phe Lys Ala Ile His Lys Glu
35 40 45

Ser Gly Gln Val Val Ala Ile Lys Gln Val Pro Val Glu Ser Asp Leu
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Gln Glu Ile Ile Lys Glu Ile Ser Ile Met Gln Gln Cys Asp Ser Pro
65 70 75 80

Tyr Val Val Lys Tyr Tyr Gly Ser Tyr Phe Lys Asn Thr Asp Leu Trp
85 90 95

Ile Val Met Glu Tyr Cys Gly Ala Gly Ser Val Ser Asp Ile Ile Arg
100 105 110

Leu Arg Asn Lys Thr Leu Ile Glu Asp Glu Ile Ala Thr Ile Leu Lys
115 120 125

Ser Thr Leu Lys Gly Leu Glu Tyr Leu His Phe Met Arg Lys Ile His
130 135 140

Arg Asp Ile Lys Ala Gly Asn Ile Leu Leu Asn Thr Glu Gly His Ala
145 150 155 160

Lys Leu Ala Asp Phe Gly Val Ala Gly Gln Leu Thr Asp Thr Met Ala
165 170 175

Lys Arg Asn Thr Val Ile Gly Thr Pro Phe Trp Met Ala Pro Glu Val
180 185 190

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Ile Thr Ser Ile Glu Met Ala Glu Gly Lys Pro Pro Tyr Ala Asp Ile
210 215 220

His Pro Met Arg Ala Ile Phe Met Ile Pro Thr Asn Pro Pro Pro Thr
225 230 235 240

Phe Arg Lys Pro Glu Leu Trp Ser Asp Asp Phe Thr Asp Phe Val Lys
245 250 255

Lys Cys Leu Val Lys Asn Pro Glu Gln Arg Ala Thr Ala Thr Gln Leu
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Leu Gln His Pro Phe Ile Lys Asn Ala Lys Pro Val Ser Ile Leu Arg

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<211> 16

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<210> 4
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Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser
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His Thr
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Phe Ile Lys Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr
1 5 10 15

Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu
20 25 30

Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His
35 40 45

Thr

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<210> 7
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu
20 25 30
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35 40 45

<210> 8
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<212> PRT
<213> Artificial Sequence

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Lys Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala
1 5 10 15
Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu
20 25 30
Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
35 40 45

<210> 9
<211> 46
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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1 5 10 15
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- 6 -

20 25 30
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
35 40 45

<210> 10
<211> 45
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu
1 5 10 15

Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu
20 25 30

Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
35 40 45

<210> 11
<211> 44
<212> PRT
<213> Artificial Sequence

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Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile
1 5 10 15

Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu
20 25 30

Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
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<210> 12
<211> 43
<212> PRT
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<400> 12
Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys
1 5 10 15

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Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu
20 25 30

Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
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<210> 13
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<400> 13
Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala
1 5 10 15

Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn
20 25 30

Ser Asp Glu Asp Glu Leu Asp Ser His Thr
35 40

<210> 14
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<212> PRT
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 14
Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys
1 5 10 15

Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser
20 25 30

Asp Glu Asp Glu Leu Asp Ser His Thr
35 40

<210> 15
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<400> 15

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$\langle 220 \rangle$

<400> 18

Gln Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu
20 25 30

Leu Asp Ser His Thr
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<210> 19

<211> 36

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 19

Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln
1 5 10 15

Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu
20 25 30

Asp Ser His Thr
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<210> 20

<211> 35

<212> PRT

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Ile Thr Glu Ala Met' Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln
1 5 10 15

Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp
20 25 30

Ser His Thr
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<210> 21

<211> 34

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 21

Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg
1 5 10 15

Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser
20 25 30

His Thr

<210> 22

<211> 33

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 22

Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu
1 5 10 15

Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His
20 25 30

Thr

<210> 23

<211> 32

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 23

Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu
1 5 10 15

Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
20 25 30

<210> 24

<211> 31

<212> PRT

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- 11 -

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 24

Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu
1 5 10 15

Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
20 25 30

<210> 25

<211> 29

<212> PRT

<213> Artificial Sequence

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<400> 25

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His
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<210> 26

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 26

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser
20 25

<210> 27

<211> 27

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 27

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Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp
20 25

<210> 28
<211> 26
<212> PRT
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 28
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu
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<210> 29
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<400> 29
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu
20 25

<210> 30
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<212> PRT
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<400> 30
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp
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<210> 31

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<211> 23
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<400> 31
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu
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<210> 32
<211> 22
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<400> 32
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp
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<210> 33
<211> 21
<212> PRT
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<400> 33
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser
20

<210> 34
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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- 14 -

<400> 34
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn
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<210> 35
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<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu

<210> 36
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<212> PRT
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Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu

<210> 37
<211> 29
<212> PRT
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<400> 37
Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu
1 5 10 15

Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
20 25

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- 15 -

<210> 38
<211> 28
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 38
Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu
1 5 10 15

Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
20 25

<210> 39
<211> 27
<212> PRT
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 39
Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Glu
1 5 10 15

Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
20 25

<210> 40
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<213> Artificial Sequence

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<400> 40
Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn
1 5 10 15

Ser Asp Glu Asp Glu Leu Asp Ser His Thr
20 25

<210> 41
<211> 25
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 41

Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser
1 5 10 15

Asp Glu Asp Glu Leu Asp Ser His Thr
20 25

<210> 42

<211> 24

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 42

His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp
1 5 10 15

Glu Asp Glu Leu Asp Ser His Thr
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<210> 43

<211> 23

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 43

Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu
1 5 10 15

Asp Glu Leu Asp Ser His Thr
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<210> 44

<211> 22

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 44

Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp
1 5 10 15

Glu Leu Asp Ser His Thr
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<210> 45
<211> 21
<212> PRT
<213> Artificial Sequence

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<400> 45
Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu
1 5 10 15
Leu Asp Ser His Thr
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<210> 46
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<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 46
Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu
1 5 10 15
Asp Ser His Thr
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<210> 47
<211> 19
<212> PRT
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<400> 47
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1 5 10 15
Ser His Thr

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<220>

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<400> 48

Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser
1 5 10 15

His Thr

<210> 49

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 49

Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His
1 5 10 15

Thr

<210> 50

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 50

Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
1 5 10 15

<210> 51

<211> 34

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 51

Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu
1 5 10 15

Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
20 25 30

Met Val

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<210> 52
<211> 38
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 52
Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg
1 5 10 15
Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser
20 25 30

His Thr Met Val Lys Thr
35

<210> 53
<211> 42
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 53
Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln
1 5 10 15
Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu
20 25 30

Asp Ser His Thr Met Val Lys Thr Ser Val
35 40

<210> 54
<211> 46
<212> PRT
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 54
Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp
1 5 10 15
Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp

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20 25 30
Glu Leu Asp Ser His Thr Met Val Lys Thr Ser Val Gly Glu
35 40 45

<210> 55
<211> 50
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<400> 55
Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg
1 5 10 15

His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp
20 25 30

Glu Asp Glu Leu Asp Ser His Thr Met Val Lys Thr Ser Val Gly Glu
35 40 45

Cys Gly
50

<210> 56
<211> 54
<212> PRT
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<400> 56
Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala
1 5 10 15

Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn
20 25 30

Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val Lys Thr Ser Val
35 40 45

Gly Glu Cys Gly Thr Met
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<210> 57
<211> 58
<212> PRT
<213> Artificial Sequence

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- 21 -

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 57

Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile
1 5 10 15

Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu
20 25 30

Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val Lys Thr
35 40 45

Ser Val Gly Glu Cys Gly Thr Met Arg Ala
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<210> 58

<211> 31

<212> PRT

<213> Artificial Sequence

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<400> 58

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met
20 25 30

<210> 59

<211> 32

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<400> 59

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

<210> 60

<211> 33

<212> PRT

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 60

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys

<210> 61

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 61

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr

<210> 62

<211> 35

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 62

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr Ser
35

<210> 63

<211> 36

<212> PRT

<213> Artificial Sequence

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- 23 -

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 63

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr Ser Val
35

<210> 64

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 64

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1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr Ser Val Gly
35

<210> 65

<211> 38

<212> PRT

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<400> 65

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr Ser Val Gly Glu
35

<210> 66

<211> 39

<212> PRT

<213> Artificial Sequence

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- 24 -

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 66

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr Ser Val Gly Glu Cys
35

<210> 67

<211> 40

<212> PRT

<213> Artificial Sequence

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<400> 67

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr Ser Val Gly Glu Cys Gly
35 40

<210> 68

<211> 41

<212> PRT

<213> Artificial Sequence

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<400> 68

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30

Lys Thr Ser Val Gly Glu Cys Gly Thr
35 40

<210> 69

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- 25 -

<211> 42
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<213> Artificial Sequence

<220>
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<400> 69
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
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Lys Thr Ser Val Gly Glu Cys Gly Thr Met
35 40

<210> 70
<211> 43
<212> PRT
<213> Artificial Sequence

<220>
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<400> 70
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30
Lys Thr Ser Val Gly Glu Cys Gly Thr Met Arg
35 40

<210> 71
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
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<400> 71
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
1 5 10 15
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val
20 25 30
Lys Thr Ser Val Gly Glu Cys Gly Thr Met Arg Ala
35 40

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<210> 75
<211> 30

- 27 -

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 75
Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu
1 5 10 15
Asp Ser His Thr Met Val Lys Thr Ser Val Gly Glu Cys Gly
20 25 30

<210> 76
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 76
Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser
1 5 10 15
Asp Glu Asp Glu Leu Asp Ser His Thr Met Val Lys Thr Ser
20 25 30

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